

Nortel Networks Limited  
Law Department  
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Ottawa, Ontario  
Canada K1Y 4H7  
GMS 131/13/C01

Official

**NORTEL**  
**NETWORKS**

*How the world shares ideas.*

## Fax Cover Sheet

Date 23 April 2003

To Examiner: David E. Odland  
United States Patent & Trademark  
Office

From Jeff Measures  
Nortel Networks Limited  
Intellectual Property Law Group

Art Unit: 2662

Fax # (703) 746-8153

Fax # (613) 768-3017

Phone #

Phone # (613) 768-3003

No. of Pages 15

Message

Re: United States Patent Application 09/349,087  
MAPPING ARBITRARY SIGNALS INTO SONET  
Filed: July 8, 1999

Further to our telephone conversation of April 22, 2003, please find transmitted herewith the response dated April 1, 2003, with an amended Page 8.

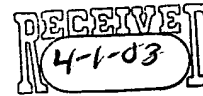
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Case: 10420ROUS01U

7/A  
A. Wap S  
4/24/03

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: ROBERTS, Kim B.

Serial No: 09/349,087

Art Unit: 2662

Filed: July 8, 1999

Examiner: Odland, David E.

Subject: MAPPING ARBITRARY SIGNALS INTO SONET

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
U.S.A.

Sir:

Response

This is in response to the office action dated November 1, 2002. Please amend the application as follows:

IN THE SPECIFICATION

Amend pages 1, 3, 8 and 9.

An amended version of the amendments noted above is attached herewith as set forth in *AMENDMENTS IN A REVISED FORMAT NOW PERMITTED* as stated in the United States Patent and Trademark Office letter dated February 20, 2003

IN THE CLAIMS

Please amend claims 1 and 3 -14.

Add new claims 21-28.

An amended version of the amendments noted above is submitted herewith as set forth in *AMENDMENTS IN A REVISED FORMAT NOW PERMITTED* as stated in the United States Patent and Trademark Office letter dated February 20, 2003

04/07/2003 SMOORE 00000007 141315 09349087  
03 FC:1202 144.00 CH

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Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

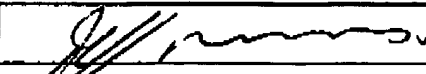
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/349,087	
	Filing Date	July 8, 1999	
	First Named Inventor	Kim B. Roberts	
	Group Art Unit	2662	
	Examiner Name	David E. Odland	
Total Number of Pages in This Submission	11	Attorney Docket Number	10420ROUS 01U

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jeffrey M. Measures
Signature	
Date	April 1, 2003

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <input type="text"/>		
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PTO/SB/17 (10-01)

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 410.00

**Complete if Known**

Application Number	09/349,087
Filing Date	8 July 1999
First Named Inventor	Kim B. Roberts
Examiner Name	David E. Odland
Group Art Unit	2662
Attorney Docket No.	10420ROUS01U

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	14-1315
Deposit Account Name	Nortel Networks Limited

☒ Charge Any Additional Fee Required Under 37 CFR 1.15 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	740	201	370 Utility filing fee	
106	330	206	165 Design filing fee	
107	510	207	255 Plant filing fee	
108	740	208	370 Reissue filing fee	
114	160	214	80 Provisional filing fee	

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	
Independent Claims	-3** =	X	
Multiple Dependent			

	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203	9 Claims in excess of 20
102	84	202	42 Independent claims in excess of 3
104	280	204	140 Multiple dependent claim, if not paid
109	84	209	42 ** Reissue independent claims over original patent
110	18	210	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
115	110	215	55 Extension for reply within first month	
116	400	216	200 Extension for reply within second month	410.00
117	920	217	480 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	180 Notice of Appeal	
120	320	220	180 Filing a brief in support of an appeal	
121	280	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	480	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CFR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 410.00

**SUBMITTED BY**

Name (Print/Type) Jeffrey M. Measures

Registration No. (Attorney/Agent) 40,272

**Complete (if applicable)**

Telephone (613) 768-3003

Signature

Date 04/01/2003

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**REMARKS**

Under separate cover and being filed concurrently herewith, Applicant submits a Petition for Extension of Time under 37 CFR §1.136(a) to extend the due date for the present application by two months, namely to April 1, 2003.

Applicant has amended the Background section by amending the title to the Background section and to delete an incorrectly identified reference.

Also errors on Page 8 line 19, page 8, lines 21-24, and page 9, line 5 have been corrected.

A new set of claims 21 – 28 have been added which avoids the language alleged to be indefinite in section 2 of the Official Action. However, as argued below, the claims are definite, and the addition of these additional claims should not be construed as an admission that the rejected claims are indefinite.

Regarding Section 1 of the Office Action, we have amended claim 14 as suggested by the examiner to overcome the claim objection.

Regarding Section 2 of the Office Action, we provide the following comments.

The office action states that it is unclear what is meant by a transparent tributary. This is a known term in the art. However, we have amended the claim to delete this term, as it is not needed for patentability.

The Office Action states it is unclear what constitutes a timeslot as being valid or invalid. This is explained on page 8 of the specification. However, we have amended claim 1 by changing timeslot to location as this broadens the claim. Corresponding amendments have been made to the dependent claims.

It is submitted that this language is clear and definite, and will be understood by a person skilled in the art. In addition to amending claim 1, we have also added a new set of claims 21-28 which uses different language, and includes the limitation: "mapping said continuous digital signal into said container signal by assigning from a